Scott. H-43—23,202—6-2-23

B
21/8/23

P.W. (1923) Department.

G.O. No. 815. W.

DATED : 16-8-23.

DC/
Ag. Sec

with 3 Insts

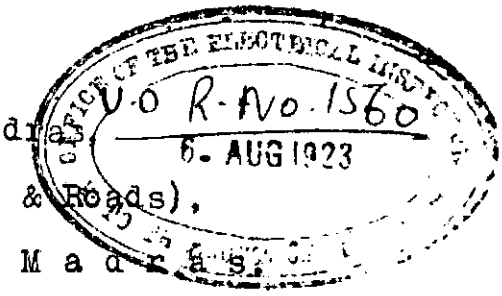
[Despatch Abstract.]

The Bellary Electric Supply Co., Ltd.

M. HUSSAIN,
Managing Director.

FORT.

Bellary, 6th August *1923*



The Secretary to the Government of Madras,
General, Buildings & Roads),
P.W.D., Madras.

For Electric Inspector
Chief

Dear Sir,

Re. Bellary Electric License.

We beg to refer you to your letter dated the 10th January '23 No.294-C addressed to M.R.Ry G. Ramachandra Chetty & others of Bellary, regarding the transfer of the above license to this Company, and we regret to say that it will not be possible to obtain Rs.4 lacs at present as stipulated in this letter.

As you are no doubt aware, the question of supplying Electric Current in Bellary has been under discussion for some considerable time, and when this matter was first taken up by us it was proposed to have two large Generating Units, and we had in mind at the time Steam Driven Sets. The initial cost of this plant & also the up-keep of same is prohibitive when compared with Crude Oil Engines, and as there has been so much delay in making a start, a large number of people who promised to take up shares in the concern will not do so until they see something definite in the way of work done. We are perfectly satisfied that once the work

is started, promises already made to take up shares will be fulfilled, but just at the moment the people are very sceptical, entirely owing to the delay, and we have therefore modified the scheme to enable us to make a start with the capital already subscribed which amounts to Rs.1½ lacs.

With this in view, we obtained quotations for the necessary plant & material required for the smaller scheme, and have decided the proposals put forward by the General Electric Co.(India)Ltd., are the most advantageous received and have decided to place the order with this firm.

We have already sent a cheque to the value of Rs.5000/- as an advance against the order to the above firm, on the understanding that you approve their proposals. and we have to-day handed them a further cheque for Rs.15,000/- so that they can immediately cable home for the plant and other material required to commence work on the Overhead mains, as soon as the license has been transferred.

As you will see from the enclosed estimated cost of the work, it is proposed to instal two 55 K.W. GEC "KEIGHLEY" Cold Starting Type Crude Oil Engine Sets, the Engines being standard and the parts interchangable with 3 or 4 cylinder engines which will ultimately be required & ordered for the larger sets when the scheme develops.

at the moment we are not in a position to say whether 2 - 150 KW or 2 - 200 KW Sets will eventually be required, but the 2 - 55 KW sets will be quite large enough to enable us to give connections to a large number of houses, and before the whole of this power is taken up we quite expect being in a position to order one. if not two of the larger sets mentioned above.

When the scheme develops we consider the 55 K.W. sets will be sufficient to cope with the fan load during the day, and one set will possibly be needed between the hours of say 6 p.m. & 10 p.m. to run in conjunction with one of the larger sets

We also enclose herewith plans of Bellary showing the proposed Overhead Mains, together with full particulars of the cables we propose using under the small scheme, the Power House lay-out, Switchboard, etc. and we now ask you to consider our proposal, and if you are in agreement, to arrange for the license to be transferred to the Bellary Electric Supply Company Ltd.

We think we have given you all particulars of the proposed scheme on the plans sent herewith, but shall be very pleased to furnish any other information required on hearing from you, and if necessary the Writer together with a Representative of the General Electric Co.(India)Ld. will be very pleased to call on you regarding this matter if desired.

We are quite convinced that in the event of this small scheme falling through, that the people of Bellary will lose all faith in the Electric Light scheme and that money will not be forthcoming at a later date.

Even to-day some of the Shareholders are complaining about the delay which has taken place. so that we trust. now that we have sent you full details, you will give the matter your early consideration

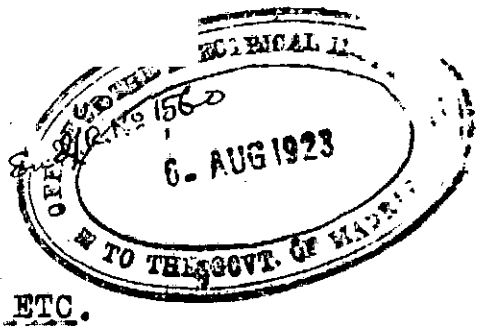
opening the Bellary Exhibition on Wednesday the 18th inst., we beg to suggest that if it could be arranged for him to officially announce that the license can be transferred, and that work can be commenced immediately, this would help very considerably in obtaining more money to develop the scheme.

If therefore you would be good enough to give this matter your very early consideration. we should be greatly obliged.

Yours faithfully,

The Bellary Electric Supply Co., Ltd.,

Managing Director



ESTIMATED COST OF PLANT ETC. ETC.
FOR THE
BELLARY TOWN LIGHTING(Rs.1½ LACS)SCHEME

55 K.W. GENERATING SETS each consisting of

IMPERIAL-KEIGHLEY" SINGLE CYLINDER HORIZONTAL COLD STARTING HEAVY OIL ENGINE of the Electric Light Type direct coupled to

"WITTON" OPEN MULTIPOLAR DIRECT CURRENT GENERATOR shunt wound fitted with 4 slip rings and brush gear for three wire supply. and having two pedestal ring lubricated bearings, bed plate, an extension of shaft & half coupling for bolting to half coupling on engine shaft.

PRICE complete with back of board shunt regulators..... Rs.25.635/- set Rs.51,270- 0- 0

Efficiency of Generator:-

Full load 88.5%

3/4 load 86.75%

1/2 load 86.75%

Compressed Air Starting Equipment suitable for use with the above set

C/O ... Rs.51,270- 0- 0

Single reversed current "Record" Circuit Breaker.

Stanley D'Arsonval Moving Coil Ammeter, 6 in. dial reading 50% overload.

Set of Paralleling Voltmeter Plug Sockets.

Handwheel, Spindle, and half coupling for Shunt Regulator, which would b mounted at the back of the board

3.P. Quick Break "WITTON" Knife Switch

3.P. Equalising Switch.

One "Total Output" Panel 550 volts upon which would be mounted

1 - "Record" Voltmeter

1 - "Record" Ammeter

2 - S.P. Round China Cutouts for Voltmeter & Wattmeter

1 - Switchboard shunted type Aron

1 Recording Ammeter 25 - 0 - 25 amps

1 S.P. "Dwarf" Circuit Breaker.

1 Resistance for connecting across Circuit Breaker terminals.

The Switchboard would be built up complete embodying all the above mentioned Panels which would be constructed of Polished enamel slate, enamelled on the faces & all bevelled edges and be properly divided, secured, and mounted upon Angle & Channel Iron Frame work for bolting to the floor and staying from the wall, and the Switchboard would be complete with expanded metal doors, and all copper strip back connections & Sweating Sockets for cables etc. etc.

PRICE..... Rs.4,290- 0- 0

To cost of erecting Overhead Mains complete with Insulators, Stay Rods Cross Irons, etc. etc. as per particulars given on the attached sheets

The above price does not include for any posts. as the Bellary Electric Supply Co. Ld., have at present 500 Rail Posts lying at Bellary to be used for the overhead mains.

To cost of erecting the above Plant including all necessary material for Engine foundations. piping tanks, etc. etc. etc. including European Supervision..... Rs.13,312- 0- 0

To cost of Power House, the building to consist of Steel work shown as per enclosed plan, the roof consisting of corrugated asbestos cement sheets, and the walls of the Power House consisting of granite obtainable at site..... Rs.25,000- 0- 0

It is not proposed to erect a gantry for the two small engines, but the steel work will be so arranged that a gantry can be fixed at a later date when sets are ordered.

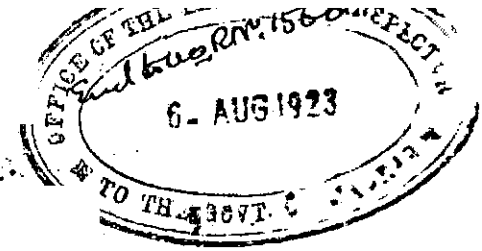
To cost of 200 Chamberlain & Hookham

House Service Meters at Rs.60/-ea Rs.12,000- 0-0

Rs. 1,35,200- 0-0

(RUPEES ONE LAC AND THIRTY FIVE THOUSAND TWO HUNDRED & SIXTYSIX ONLY)

Managing Direct



PARTICULARS OF OVERHEAD MAINS.

Section.	Distance.	Gauge.	Weight.
A1	550 yds	No.5	668 lbs.
A2	180 "		220
A3	275 "		334
A4	245 "		299
A5	202 "		246
B1	355 "		434
B2	400 "		489
B3	261 "		319
B4	580 "		710
C1	440 "		539
C2	770 "	No.4 No.0	377 1457
C3	110 "	No.5	135
D1	165 "		201
D2	770 "		942
D3	414 "		505
D4	70 "	No.4 No.0	34 68
D5	55 "	No.4 No.0	27 103
D6	63 "	No.4 No.0	30 121
D7	82 "	No.4 No.0	40 156
D8	701 "	No.4 No.0	

Sectio:	Distance	Gauge.	Weight.
D9	82 yd:	No.5	
D1(	361		
E1	82		
E2	55		
E3	110		
E4	82		
E5	82		
F1	92		113
F2	202		246
F3	92		113
F4	82		100
G1	137		168
G2	140		171
G3	41		50
G4	55		67
G5	137		168
G6	92		113
H1	137		168
H2	55		67
H3	240		293
H4	92		13
J1	247		302
J1A	467	No.4 No.0	228 190

Lush

Section	Distance	Gauge.	Weight.
J2	137 yds	No.4 No.0	67 261
J3	180	No.4 No.0	88 343
J4	192	No.4 No.0	94 364
J5	131	No.5	168
J6	300		367
K1	495		606
L1	110		135
M1	150		184
M2	165		201
M3	192		235
M4	124		152
M5	55		67
N1	165		201
N2	124		152
N3	180		220
N4	82		100
N5	137		168
O1	165		201
O2	110		135
O3	185		226
P1	165		201
P2	137		168

Ref letter dated 6-8-1923 from the Bell Electric Supply Company Limited regarding the of the Bellary Electric License 1921.

I have scrutinized the estimate and plan: advance copies had been sent me — and agree that a small scheme can be arranged for the electric supply to Bellary at a cost of approximately 1½ to 2 lakhs of rupees. The plant and mains provided in this scheme are only preliminary to the larger scheme; this can be seen from the reference at top of page 5 of the Supply Company's letter to the eventual requirement of

to 2 lakhs or rupees; the two 55 K.W. generating sets are only to make a start and induce the further capital required for the full scheme

At top of page 2 of the letter it is stated that the capital already subscribed amounts to Rs. 1½ lakhs this I understand is not strictly correct; Rs. 1½ lakhs represents the share capital if fully paid-up but the first call of 25 per cent, namely about Rs 40,000, the cash actually subscribed

So that no small scheme
can start until
Article is limited to
penultimate paragraph of
the Company letter page 4

JHKH
6/8/23

I agree

Let H.E. see the file: write ref to
the paragraph at § 4 of letter ref to above, the file
must be circulated to HE urgently

P. W-D. Box no 6
6-8-23
Rec'd on 9-8-23

SGP
7/8/23

I mentioned this at Bellary
W.G.D

Immediately
JS JHKH
10/8/23
Allen
9/8

US

Submitted

A draft order withdrawing the
proviso in letter No 2940 of 10-1-23 &
permitting the assignment of the
licence to the Bellary Electric Supply Co
as amended it seems unnecessary
to circulate it to C3

15-8-23 Allen 15/8

DH
10/8
Copy G

Secrt. II-1a (a)—48,962—2-2-22. (6)

	Date.	Initials.
When received for Fair-copying.		
When copied ..		
When examined ..		
When signed ..		
When despatched ..		

READ AGAIN G.O. No. 931 W, dated 5 - 1 -

" " " " 782 W, " 23 - 8 - 1922,

" " letter No. 294 C 10 - 1923

READ ALSO;-

C No 2528. From the Bellary Electric Supply Co Ltd, dated 6 - 8 - 1923.

" " " " " " " " " " " "

" " " " " "

No. 8150 dated 16 - 8 -

The proviso contained in letter No 294 C dt 10 - 1 - 23 is withdrawn and the licensees for the supply of electric energy to Bellary are permitted to assign their license to the Bellary Electric Supply Company ~~Corporation~~ Ltd intimation of an assignment of the license should be duly reported to Govt

(B O & C)

flag G not in file

To

M Rly Gi. Ramachandra Chetty + others
Licensees for the supply of electric energy to Bellary.

The Chairman M.C. Bellary

Collector of Bellary

Lsg Dept

Development Dept

Dl Inspector Elect

Copy to the Bellary Electric Supply Co. Ltd (Call the receipt) — noted

15.8.23

15/8/23

For JS

DL

18 AUG 1923